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NOTICE OF ALLOWANCE AND FEE(S) DUE

23413

7590

07/01/2008

CANTOR COLBURN, LLP 20 Church Street 22nd Floor Hartford, CT 06103

EXAMINER				
ALEMU, EPHREM				
ART UNIT	PAPER NUMBER			

2821 DATE MAILED: 07/01/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,353	09/14/2005	Hyeon-Yong Jang	YOM-0188	6728

TITLE OF INVENTION: APPARATUS AND METHOD OF DRIVING LIGHT SOURCE FOR DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/01/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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Hartford, CT 06	103							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/549,353	09/14/2005		Hyeon-Yong Jang	3			YOM-0188	6728
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nonprovisional	NO	\$1440	\$300		\$0		\$1740	10/01/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
ALEMU,	EPHREM	2821	315-309000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is isted, no name will be printed.				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Ta substitute for filing (B) RESIDENCE: (C)	ne pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)	ocument has been filed for
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CANTOR COLE	BURN, LLP		ALEMU,	EPHREM
20 Church Street			ART UNIT	PAPER NUMBER
22nd Floor Hartford, CT 0610	3		2821 DATE MAILED: 07/01/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 5 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 5 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/549,353	JANG, HYEON-YONG
Notice of Allowability	Examiner	Art Unit
	Ephrem Alemu	2821
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comming the comming of th	in this application. If not included nunication will be mailed in due course. THIS
1. 🔀 This communication is responsive to 4/04/2008.		
2. ☑ The allowed claim(s) is/are <u>1-3 and 5-10</u> .		
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.	
3. ☐ Copies of the certified copies of the priority do	• •	· · · · · · · · · · · · · · · · · · ·
International Bureau (PCT Rule 17.2(a)).	odificitio flave been receive	od III tillo ridtoriai stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which giv	MENT of this application. nitted. Note the attached E>	(AMINER'S AMENDMENT or NOTICE OF
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") mu		
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		(, , , , , , , , , , , , , , , , , , ,
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1		
each sheet. Replacement sheet(s) should be labeled as such in		
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of I	nformal Patent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview S	Summary (PTO-413),
3. Information Disclosure Statements (PTO/SB/08),	Paper No 7.	n/Mail Date s Amendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛚 Examiner'	s Statement of Reasons for Allowance
	9. 🔲 Other	<u>_</u> .

Application/Control Number: 10/549,353 Page 2

Art Unit: 2821

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-3 and 5-10 are allowed.

2. The following is an examiner's statement of reasons for allowance: It is agreed that the prior art of record fail to teach or suggest alone or in combination, the combination of the limitations: "a buffer generating a second signal based on the first signal from the temperature sensor and providing the second signal for the inverter controller; and an inverter controller which generates a control signal for controlling the inverter depending on the second signal of the buffer, wherein the voltage applied to the light source is increased based on the control signal, the second signal is a square wave having a first level and a second level and the second signal is at the first level when the sensed temperature is higher than a predetermined temperature and the second signal is at the second level when the sensed temperature is lower than a predetermined temperature" as claimed in claim 1; and "generating a second signal on the basis of the first signal based on the; generating a third signal having a frequency depending on a state of the second signal; and changing the voltage applied to the light source responsive to the frequency of the third signal, the second signal is a square wave having a first level and a second level and the second signal is at the first level when the sensed temperature is higher than a predetermined temperature and the second signal is at the second level when the sensed temperature is lower than a predetermined temperature" as claimed in claim 9. It is for this reason in combination with all the other limitations in the independent claims 1 and 9, that claims 1-3 and 5-10 are allowable over prior art of record.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ephrem Alemu whose telephone number is (571) 272-1818. The examiner can normally be reached on M-F Flex hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W Owens can be reached on (571) 272-1662662. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EA 6/20/08

/Douglas W Owens/ Supervisory Patent Examiner, Art Unit 2821 June 21, 2008